PCT

For receiving Office use only	_
International Application No.	
International Filing Date	
,	
Name of receiving Office and "PCT International Application"	

	International Application	on No.			
REQUEST	International Filing Date				
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"				
woodanig is any a minu soop manage manage.	Applicant's or agent's	file reference			
	(if desired) (12 characte	ers maximum) (CG/11168.216		
BOX NO. I TITLE OF INVENTION METHOD FOR INDUCING COMPLETE HEPAT	TITIS C VIRUS (H	CV) REPLICA	ATION IN VITRO		
Box No. II APPLICANT This person	n is also inventor				
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of residence	he address indicated in this	Telephone No. (514) 398-	4200		
MCGILL UNIVERSITY		Facsimile No.			
Office of Technology Transfer		(514) 398-	8479		
3550 University Street		Teleprinter No.			
Montreal, Quebec H3A 2A7, CANADA		Applicant's regi	stration No. with the Office		
State (that is, country) of nationality: CA	State (that is, country) CA	of residence:			
This person is applicant for the purposes of: all designated States all designated the United States		the United States of America only	the States indicated in the Supplemental Box		
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH	IER) INVENTOR(S)	·-·			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	re address indicated in this 1	This person is:	nt only		
SONENBERG, Nahum 4609 Blossom Avenue		X applican	nt and inventor		
Côte St-Luc, Quebec		inventor	only (If this check-box		
H4W 2S9	}		ed, do not fill in below.)		
CANADA		Applicant's regis	stration No. with the Office		
State (that is, country) of nationality: CA	State (that is, country) of CA	of residence:			
This person is applicant for the purposes of: all designated the United States all designated the United States		he United States of America only	the States indicated in the Supplemental Box		
Further applicants and/or (further) inventors are indicated on a continuation sheet.					
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					
The person identified below is hereby/has been appointed to act or of the applicant(s) before the competent International Authorities a	as:	agent	common representative		
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of cou	intry.)	Telephone No. (514) 397-7	7604		
Dubuc, J.; Leclerc, A.; Gauvreau J.; Sofia, M.	. /[1	Facsimile No.			
GOUDREAU GAGE DUBUC	(514) 397-4382				
Stock Exchange Tower 800 Place Victoria, Suite 3400	1	Teleprinter No.			
P.O. Box 242	-				
Montreal, Quebec, H4Z 1E9, CANADA		on No. with the Office			
Address for correspondence: Mark this check-box where no space above is used instead to indicate a special address to w	o agent or common repre	esentative is/has b	een appointed and the		

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)						
If none of the following sub-boxes is used, this sheet should not be included in the request.						
Name and address: (Famil The address must include post Box is the applicant's State (th	al code and name of cou	n this	This person is:			
LOPEZ-LASTRA			applicant and inventor			
6201 Cote-St-Luc Hampstead, Que					inventor only (If this check-box	
H3X 2H2	bec			.]	is marked, do not fill in below.)	
CANADA				ľ	Applicant's registration No. with the Office	
State (that is, country) of n	ationality:		State (that is, co	untry)	of residence:	
This person is applicant for the purposes of:	all designated States		States except ates of America		the United States of America only the States indicated in the Supplemental Box	
Name and address: (Family The address must include poste Box is the applicant's State (the	al code and name of cou	ntry. The country of the	e address indicated in	this .	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of na	ationality:		State (that is, con	untry) (of residence:	
This person is applicant for the purposes of:	all designated States	all designated the United State	States except tes of America		e United States America only the States indicated in the Supplemental Box	
Name and address: (Family The address must include posta Box is the applicant's State (tha	l code and name of cour	try. The country of the	address indicated in	this	his person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) applicant's registration No. with the Office	
State (that is, country) of na	tionality:		State (that is, cou	ntry) o	f residence:	
			-			
This person is applicant for the purposes of:	all designated States	all designated State			United States America only the States indicated in the Supplemental Box	
Name and address: (Family) The address must include postal Box is the applicant's State (that	code and name of coun	try. The country of the	address indicated in i	this	his person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) pplicant's registration No. with the Office	
State (that is, country) of nationality: State (that is, country) of residence:						
This person is applicant for the purposes of:	all designated States	all designated S the United State			United States the States indicated in the Supplemental Box	
Further applicants and	Further applicants and/or (further) inventors are indicated on another continuation sheet.					

Box No.	V DESIGNATION OF STATE	is .	Mark the applicable check-boxes belo	w; at	lea	st one must be marked.
The follo	owing designations are hereby made	e under I	Rule 4.9(a):			
	al Patent		• •			
-		M Gan	nbia, KE Kenya, LS Lesotho, M	W Ma	alav	wi. MZ Mozambique. SD Sudar
	SL Sierra Leone, SZ Swaziland, T	Z Unite	d Republic of Tanzania, UG Uganda	, ZM	Za	mbia, ZW Zimbabwe, and any other
			Harare Protocol and of the PCT (if			
			• • • • • • • • • • • • • • • • • • • •			
X EA			baijan, BY Belarus, KG Kyrgyzstan,			
	RU Russian Federation, TJ Tajiki Patent Convention and of the PCT		1 Turkmenistan, and any other State	whic	h is	a Contracting State of the Eurasia
X EP			m DC Dulgaria CH & I I Switzerla			inchange CV Course C7 Course
IN EF	,		m, BG Bulgaria, CH & LI Switzerla E Estonia, ES Spain, FI Finland, FR			
			Monaco, NL Netherlands, PT Ports			
			Contracting State of the European I			
🔀 OA	OAPI Patent: BF Burkina Faso,	BJ Beni	in, CF Central African Republic, Co	G Cor	ngo	, CI Côte d'Ivoire, CM Cameroon
			uinea, GW Guinea-Bissau, ML Ma			
			hich is a member State of OAPI and			
	of protection or treatment desired, :	<i>specijy o</i>	n dotted line)	• • • •	• • •	
			tment desired, specify on dotted line):			
	United Arab Emirates					New Zealand
X AG	Antigua and Barbuda	X HR	Croatia		OM	f Oman
XI AL	Albania	X HU	Hungary	[X]	PH	Philippines
	Armenia			DXI :	PL	Poland
			Israel			
	Austratia		India			Russian Federation
			Japan			Russian Federation
	Barbados		Kenya			
			Kyrgyzstan			
			Democratic People's Republic			
BY BY	Belarus		of Korea	XI s	SG	Singapore
BZ BZ F	Belize		Republic of Korea			
X CA C			Kazakhstan	X 5	SL	Sierra Leone
	LI Switzerland and Liechtenstein					Tajikistan
	China					Turkmenistan
K CO C	Colombia .	LR LR	Liberia	289 7	ΓN	Tunisia
MALCR C	Costa Rica	DO LS	Lesotho		TR	Turkey
	Cuba				I.I.	Trinidad and Tobago
MDE	Zeech Republic	M TV	Luxembourg	721 ··	רייש	United Republic of Tanzania
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DM D			Republic of Moldova			
	dgeria					
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🗶 FI F	inland	MN 🔀	Mongolia	XI v	'N	Viet Nam
	nited Kingdom	MW MW	Malawi	X X	ľU	Yugoslavia
🔀 GD G	renada .	MX MX	Mexico	X 2	A	South Africa
E GE G	eorgia	M MZ	Mozambique			
K GH G	hana	NO IX	Norway	X Z	W	Zimbabwe
Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:						
NI Nicaragua SY Syrian Arab Republic						
🗶 . PG.F	Papua New Guinea			<u> </u>		
			to the designations made above, the			
other desi	gnations which would be permitted	under t	he PCT except any designation(s) in	appii dicat	ed i	in the Supplemental Box as being
excluded f	rom the scope of this statement. The	applicar	nt declares that those additional desig	natio	ns a	re subject to confirmation and that
any design	ation which is not confirmed before	the expi	ration of 15 months from the priority	date	is t	o be regarded as withdrawn by the
applicant a	at the expiration of that time limit. (C	Confirma	tion (including fees) must reach the rec	eivin _i	g O	ffice within the 15-month time limit.)

Sheet	No	Δ
Sheet	NO.	

Box No. VI PRIORITY CLAIM							
The priority of the following	ng earlier application(s) is here	by claimed:	·	·			
Filing date	Number	Where earlier application is:					
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office			
item (1) 06 August 2002 (08/06/02)	60/401,005	us					
item (2)							
item (3)							
item (4)							
item (5)							
Further priority claims	are indicated in the Suppleme	ental Box.	· ·	•			
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as: all items item (1) item (2) item (3) item (4) item (5) other, see Supplemental Box * Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): Box No. VII INTERNATIONAL SEARCHING AUTHORITY Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used): ISA / EPO Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority): Date (day/month/year) Number Country (or regional Office)							
Box No. VIII DECLARA	TIONS	· · · · · · · · · · · · · · · · · · ·					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations							
Box No. VIII (i) Declaration as to the identity of the inventor :							
Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :							
Box No. VIII (iii)	Declaration as to the applic date, to claim the priority o		e international filing	:			
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):							
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:							

Sheet No. ...5...

Box No. IX CHECK LIST; LANGUAGE OF FILING					
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of item			
request (including declaration sheets) : 5 description (excluding sequence listings and/or tables related thereto) : 64 claims : 4 abstract : 1 drawings : 48 Sub-total number of sheets : 122 sequence listings : 122 sequence listings : 122 tables related thereto : (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below) Total number of sheets : 122 (b) only in computer readable form	1. fee calculation sheet 2. original separate power of attorney 3. original general power of attorney 4. copy of general power of attorney; reference number, if any: 5. statement explaining lack of signature 6. priority document(s) identified in Box No. VI as item(s): 7. translation of international application into (language): 8. separate indications concerning deposited microorganism or other biological material 9. sequence listings in computer readable form (indicate type and number of carriers) (i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	. : : r on):			
(Section 801(a)(i)) (i) sequence listings (ii) tables related thereto (c) also in computer readable form (Section 801(a)(ii)) (i) sequence listings (ii) tables related thereto Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the sequence listings: tables related thereto: (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	purposes of international search under Rule 13ter (iii) together with relevant statement as to the identity of the copy copies with the sequence listings mentioned in left column 10. tables in computer readable form related to sequence listings (indicate type and number of carriers) (i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application) (ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater) (iii) together with relevant statement as to the identity of the copy copies with the tables mentioned in left column 11. other (specify):	or : al :			
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: ENGLISH				
Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request). GOUDREAU GAGE DUBUC BY JULIE GAUVREAU					
1. Date of actual receipt of the purported international application: 3. Corrected date of actual receipt due to later bu timely received papers or drawings completing the purported international application: 4. Date of timely receipt of the required corrections under PCT Article 11(2):		ings: eived:			
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid					
Date of receipt of the record copy by the International Bureau:					

This sheet is not part of and does not count as a sheet of the international application.

	P	\mathbf{CT}		For receiving Office	e use only
	FEE CALCU	LATION SHEET			
	Annex to	the Request	Interna	ational Application No.	
A	pplicant's or agent's		7		
	le reference	CG/11168.216	Date s	tamp of the receiving Office	
A	pplicant				
H		UNIVERSITY et al			4
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1	SEARCH FEE		•. • • • •	1552.00 [\$]	
	International search to be car	ried out by EPO arching Authorities are competent to car Authority which is chosen to carry out to	ry out the inter		
3.	INTERNATIONAL FEE Basic Fee				
	Where items (b) and/or (c) of Where items (b) and (c) of Bo	Box No. IX apply, enter Sub-total ox No. IX do not apply, enter Total	number of	sheets }sheets	
	bl first 30 sheets	` . .	. 7;	30.00 b1	
	b2 92	x = [1 50	64.00 b2	<u> </u>
	number of sheets in excess of 30 b3 additional component (c	-	les related		
	or both in that form and	only if sequence listings and/or tab outer readable form under Section on paper, under Section 801(a)(ii)	8U1(a)(i),):	,	
	· .	400 x =		b3	
	Add amounts entered at b1, b	2 and $b3$ and enter total at $B \ldots \ldots$.L	2 294.00 B	
	Designation Fees The international application	contains ALL designations.			
		x157.00	=	785.00 D	
	number of designation fees payable (maximum 5)	amount of designation fee			
	Add amounts entered at B and		· · · · · ·	3 079.00 1	
	international fee. Where the app	es are entitled to a reduction of licant is (or all applicants are) so entit sum of the amounts entered at B and	led the total		.4
_	FEE FOR PRIORITY DOCU			P	
5.	TOTAL FEES PAYABLE			4 831.00	
	•	and P, and enter total in the TOTA	L box	TOTAL	
	The designation fees are not	paid at this time.			
MC	DE OF PAYMENT				
	authorization to charge deposit account (see below)	postal money order	cash	coupons	·
<u>ப</u>	cheque .	☐ bank draft		stamps other (specif	fy):
		GE (OR CREDIT) DEPOSIT ACC vailable at all receiving Offices)	COUNT	Receiving Office: RO/ CA	·
X	Authorization to charge the to	tal fees indicated above.		Deposit Account No.: 600	000102
X	of the receiving Office so permit) Authorization to charge any deficiency			Date: 06 August 2003 Name: GOUDREAU GA	AGE DUBUC .
	or credit any overpayment in a Authorization to charge the fe		٠.	Signature:	J Con Mala

Form PCT/RO/101 (Annex) (January 2003)

See Notes to the fee desculation sheet